ArchiTech™ by Networx™

FOR CYLINDRICAL LOCKS USING SURFACE-MOUNTED NETWORX CONTROL UNITS

MOUNTING AND INSTALLATION INSTRUCTIONS

WI2104 08/14

DESCRIPTION

These instructions detail the hardware installation procedure for the ArchiTech cylindrical door locks using the **Surface-Mounted Networx Control Units** in hollow metal and solid wood doors. Installation instructions for the **Door Contact Sensor**, **Door Contact Magnet** (installed in the door jamb) and the **Oval** and **Rectangular Proximity Readers** are included. To minimize the drilling of wire routing holes, a **Wiring Plate** (HW1945) is included to allow the lock motor wire to be routed on the door surface (an optional **Cylindrical Drill Jig**, part #N90S1DJ, is also available).

PARTS OVERVIEW

For reference, the images in Fig. 1 and Fig. 2 display each component (not to scale). Two types of **Proximity Readers** are available: **Oval** and **Rectangular**. The **Surface-Mounted Networx Control Unit**, two versions of the **Door Contact Magnet** (3/8" or 3/4" diameter) and the **Door Contact Sensor** (3/4" diameter) are also shown. The **Door Contact Magnet** and **Sensor** monitor the status of the door to provide a warning should the door be ajar, or if forced open without a valid credential, or without the inside lever first being turned.

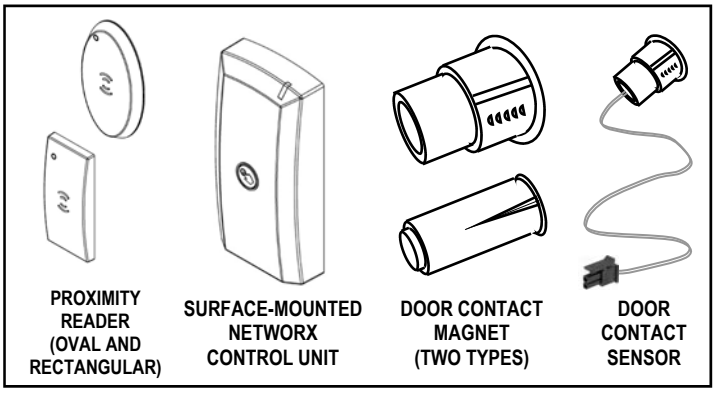


FIG. 1: PARTS OVERVIEW (NOT TO SCALE)

Wires for the **Door Contact Sensor**, **Proximity Reader** and **Cylindrical Lock** motor are routed through the door and are plugged into the rear of the **Surface-Mounted Networx Control Unit**, mounted on the inside ("protected") door surface.

The cylindrical lock motor wire can be routed within hollow metal doors; with solid wood doors, this cylindrical lock motor wire can be routed on the door surface but behind a **Wiring Plate** (HW1945), or an optional **Cylindrical Drill Jig** (part #N90S1DJ) is available to allow a hole to be drilled allowing this wire to be routed through the solid wood door.

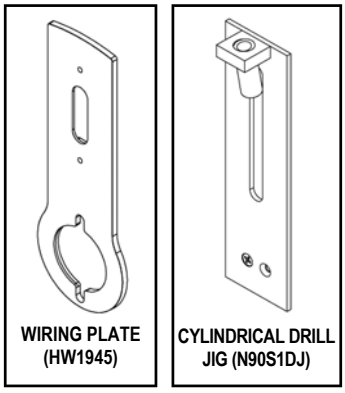


FIG. 2: PARTS OVERVIEW

REQUIRED TOOLS

In addition to the standard door prep kit tools used to install a cylindrical lock (standard ASA 161 door prep cross-bore), you will need: A small level, a 5/8" drill bit and a #35 drill bit. The **Cylindrical Lock** motor wire can easily be routed within hollow metal doors. With solid wood doors, this wire must be routed by use of the **Cylindrical Drill Jig** (part #N90S1DJ) which requires a 1/2" wood drill bit (12" in length minimum). A round or circular file will also be needed to remove burrs in holes and also to file a groove in wooden doors for a wire pathway.

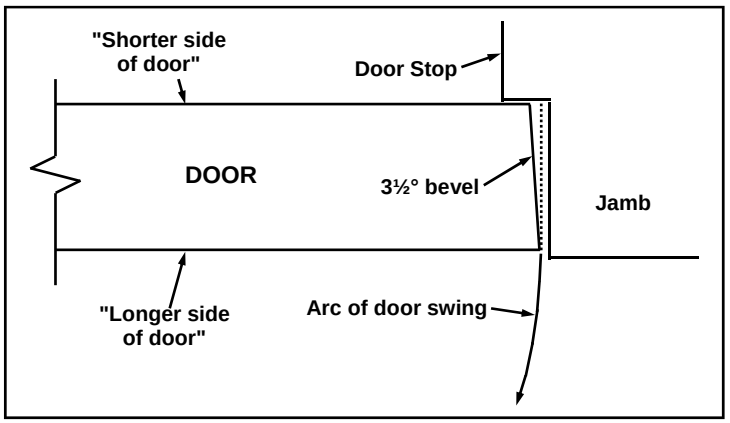


FIG. 3: EXAMPLE OF BEVELED DOOR (TOP VIEW)

DOOR PREP

1. Inspect the beveled door and determine which side is "longer" in width and which side is "shorter" in width (see "top view" example in Fig. 3). For beveled doors, be sure to use the correct holes printed on the template for the correct length of the outside door surface (either

TABLE OF CONTENTS

the "long" or "short" side of the door).

2. The **Proximity Reader** is always located on the outside ("unprotected" side) door surface. Fold and place the template (WI2098) on the outside door edge (see arrow in Fig. 4 for an example). Align the template with the "**HORIZONTAL CENTER LINE OF LEVER**" as shown on the template. Tape the template in place.

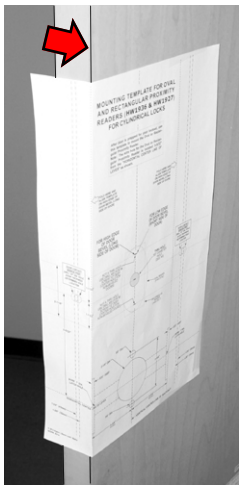


FIG. 4: EXAMPLE OF OUTSIDE DOOR EDGE (ARROW)

3. On the outside door surface, mark the two holes for the **Proximity Reader** mounting screws.
   Mark the center of the 5/8" diameter thru-hole (used for the **Cylindrical Lock** motor wire **Proximity Reader** and **Door Contact Sensor** wires).
   Note: Take special notice of this ***5/8" diameter thru-hole***, as it is an essential hole for this installation and is referenced several times throughout these instructions.

   Mark the 3/4" **Door Contact Sensor** hole in the edge of the door.
   Remove the template from the door carefully.

4. Drill the two pilot holes for the **Proximity Reader** mounting screws (NOT thru holes) using a #35 drill bit. Drill only into the door surface.

   Drill the 5/8" diameter thru hole straight through the door.

   Drill 3/4" **Door Contact Sensor** hole in the edge of the door (for solid wood doors, drill until the hole intersects with the 5/8" diameter thru hole).
   IMPORTANT: Remove all burrs from wire holes. *Sharp edges will slowly but eventually wear away wire insulation*.

5. The **Surface-Mounted Networx Control Unit** (see Fig. 1) is always mounted on the inside ("protected") door surface. Fold and place the template (WI2099) on the inside door edge. Align the template with the "**HORIZONTAL CENTER LINE OF LEVER**" and the 5/8" diameter thru hole as shown on the template. Tape the template in place. Mark the two **Control Unit Mounting Plate** (Fig. 5) holes using the correct holes printed on the template for the correct length of the beveled door (see step 1). Carefully remove the template.

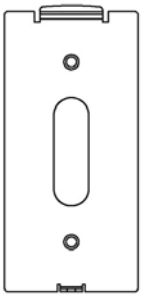


FIG. 5: CONTROL UNIT MOUNTING PLATE

6. Drill the two pilot holes for the **Control Unit Mounting Plate** mounting screws (NOT thru holes) using a #35 drill bit. Drill only into the inside door *surface*.

Next, route the **Cylindrical Lock** body motor wire as described in the next section:

ROUTING THE CYLINDRICAL LOCK WIRE

The **Cylindrical Lock** body has a motor wire plug that must be routed to and plugged into the **Surface-Mounted Networx Control Unit**. This wire can be routed through the door or along one of the grooves located behind the **Wiring Plate** (HW1945).

How you proceed depends on whether the door is solid or hollow, and whether the **Wiring Plate** (HW1945) is used:

For hollow metal doors:

The **Cylindrical Lock** wire, in most cases, can easily be routed within the hollow metal door. Using the **Wiring Plate** (HW1945) adds the option of routing the wire behind the **Wiring Plate**, along one of its grooves (thus the wire runs along the inside door surface).

- If using the **Wiring Plate** (HW1945), skip to **INSTALLING THE WIRING PLATE**, below.

--or--

- If routing the wire within the hollow metal door, skip to **INSTALLING THE CYLINDRICAL LOCK** on page 4.

For solid wood doors:

To route the **Cylindrical Lock** motor wire to the **Surface-Mounted Networx Control Unit**, you have a choice:

- Route the wire within one of the grooves in the interior side of the **Wiring Plate** (HW1945). Skip to **INSTALLING THE WIRING PLATE**, below.

--or--

- Use the **Cylindrical Drill Jig** (part #N90S1DJ) to drill a pathway for the wire *within* the solid wood door (from the 1/8" diameter door chassis hole to the 5/8" diameter thru-hole). Skip to **USING THE CYLINDRICAL DRILL JIG** on page 3.

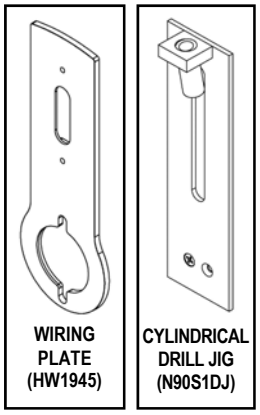


FIG. 6: SELECT A METHOD TO ROUTE THE LOCK WIRE

INSTALLING THE WIRING PLATE (OPTIONAL)

The **Wiring Plate** is always installed on the inside ("protected") side door surface. Note also that when correctly installed, the **Cylindrical Lock Body** motor wire is also located on the inside ("protected") side door surface.

From outside ("unprotected") side of the door, insert the **Cylindrical Lock Body** into the 2-1/8" diameter door chassis hole (standard ASA 161 door prep cross-bore) as detailed in its installation instructions provided with the unit. Ensure the **Cylindrical Lock** motor wire runs to the inside ("protected") side of the door. **IMPORTANT:** Remove all burrs from wire holes. *Sharp edges will slowly but eventually wear away wire insulation*.

Secure the **Cylindrical Lock** with the mounting hardware provided, however do not install the inside housing or inside lever yet, as the **Wiring Plate** will need to be installed first.

Install the Wiring Plate: See Fig. 7; notice the "interior" of the **Wiring Plate** has grooves along which the wire will run. Place the circular opening of the **Wiring Plate** over the inside ("protected" side) rose plate so that its "interior" grooves will rest against the inside door surface. Route the **Cylindrical Lock** motor wire within the one of the two grooves located on the "interior" of the **Wiring Plate** and tape the wire in place.

Note: The **Cylindrical Lock** motor wire plug sleeve color is *yellow*.

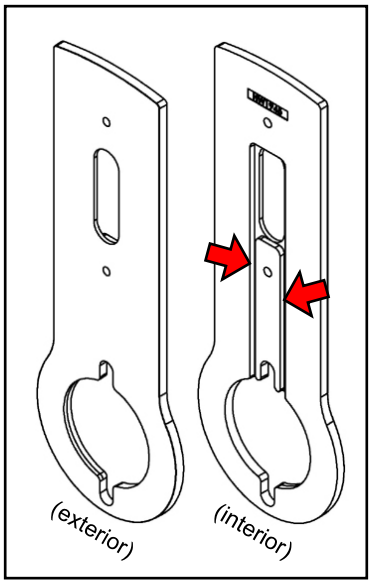
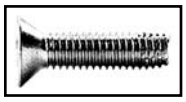


FIG. 7: WIRING PLATE AND "GROOVES" (ARROWS)

Place the **Wiring Plate** over the 5/8" diameter thru hole. Use a level to ensure the **Wiring Plate** is vertical; use a pencil to mark its two mounting holes in the door surface. Temporarily tape the **Wiring Plate** in place. Drill the two pilot holes for the **Wiring Plate** mounting screws (NOT thru holes) using a #35 drill bit. Drill only into the inside door surface (again, these holes are NOT thru holes). Remove the temporary tape used to tape the **Wiring Plate** in place. Secure the **Wiring Plate** to the door using the two Phillips Flat Head screws appropriate for the door type as follows:

- **For Metal Doors:** #6-32 x 5/8" long Type 23 thread cutting Phillips Flat head, U-cut (part #SC682);



- **For Wood Doors:** #6 x 3/4" long undercut self-tapping Type A Phillips head (part #SC596)

Skip to **INSTALLING THE CYLINDRICAL LOCK** on page 4.

USING THE CYLINDRICAL DRILL JIG

The optional **Cylindrical Drill Jig** (part #N90S1DJ) **is used with solid wood doors only**. For hollow metal doors, see the section "**ROUTING THE CYLINDRICAL LOCK WIRE**" on the previous page).

As shown in Fig. 8, a diagonal hole for the **Cylindrical Lock** motor wire is drilled *within the door*, starting from the 5/8" diameter thru hole and ending at the 2-1/8" diameter door chassis hole. Fig. 8 displays two "side views" to show how this **Cylindrical Drill Jig** is inserted in the door, and the path of this drilled interior hole.

As shown in Fig. 9, the rear of the **Cylindrical Drill Jig** has an adjustable "**Alignment Puck**" that is placed into the 2-1/8" diameter door chassis hole on the *inside ("protected") side of the door*. Depending on the door swing, *the "**Alignment Puck**" must be located on the side of the **Jig** closest to the latch when this "**Alignment Puck**" is inserted into the inside ("protected") side of the door.*

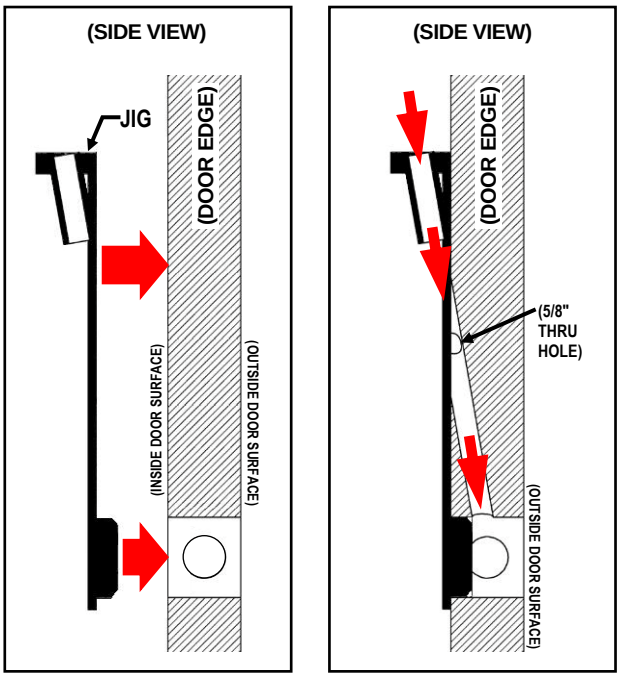


FIG. 8: INSERT JIG INTO THE INSIDE ("PROTECTED") SIDE OF THE DOOR. SIDE VIEW AT RIGHT SHOWS THE HOLE PATH

Use a level to ensure the top edge of the **Drill Jig** is horizontal, and clamp the **Drill Jig** in place (temporarily cushion the clamps with shims or other material to prevent damaging the door surface).

Insert a 1/2-inch diameter wood drill bit (12-inch length minimum) into the **Cylindrical Drill Jig** and drill the hole about 6-7 inches until the 2-1/8" diameter door chassis hole is reached. When finished, remove the **Drill Jig**.

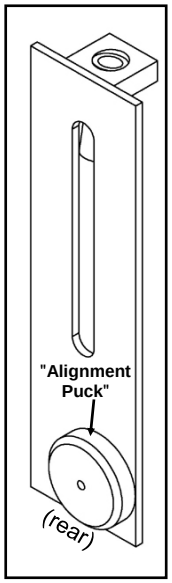


FIG. 9: CYLINDRICAL DRILL JIG

To prevent the **Cylindrical Lock Body** from pinching the motor wire against the 2-1/8" diameter door chassis hole, file a notch (or a "channel") in the 2-1/8" diameter hole with a circular file. The notch location corresponds with the part of the **Cylindrical Lock Body** where the motor wire and the 2-1/8" diameter hole meet. Fig 10 shows a close-up of this notch, shown from the inside ("protected") side of the door. Notice in Fig. 10 how the notch prevents the motor wire from being pinched against the door interior.

FIG. 10: NOTCH (ARROW)

Creating this notch to allow space for the motor wire is very important and MUST be performed.

From the outside ("unprotected") side of the door, insert the **Cylindrical Lock Body** into the 2-1/8" diameter door chassis hole while feeding the **Cylindrical Lock** motor wire up into the 1/2-inch diameter interior hole (Fig.11). Continue to feed the wire through the 5/8" diameter thru hole and to the inside ("protected") side of the door.

FIG. 11: INTERIOR HOLE (ARROW)

Note: The **Cylindrical Lock** plug sleeve color is *yellow*.

Secure the **Cylindrical Lock** with the mounting hardware provided. See the installation instructions provided with the **Cylindrical Lock** for complete installation instructions.

With the **Cylindrical Lock Body** installed and its motor wire routed through the 5/8" diameter thru hole, skip to the section "**DOOR CONTACT SENSOR INSTALLATION**".

INSTALLING THE CYLINDRICAL LOCK

(If the **Cylindrical Lock Body** has already been installed, skip to "**DOOR CONTACT SENSOR INSTALLATION**").

From the outside ("unprotected") side of the door, insert the **Cylindrical Lock Body** into the 2-1/8" diameter door chassis hole while feeding the **Cylindrical Lock** motor wire up through the 5/8" diameter thru hole running to the inside ("protected") side of the door.

Note: The **Cylindrical Lock** plug sleeve color is *yellow*.

Secure the **Cylindrical Lock** with the mounting hardware provided. See the installation instructions provided with the **Cylindrical Lock** for complete installation instructions.

DOOR CONTACT SENSOR INSTALLATION

Insert the **Door Contact Sensor** wires through its 3/4" hole in the edge of the door and then out through the 5/8" diameter thru hole to the inside ("protected") side of the door.

Note: The **Door Contact Sensor** plug sleeve color is *white*.

Next install the **Oval** or **Rectangular Proximity Reader** in the next section.

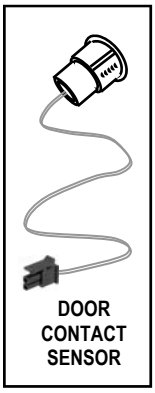


FIG. 12: INSTALL IN DOOR EDGE

OVAL PROXIMITY READER INSTALLATION

The **Oval Proximity Reader** is mounted with an **Oval Rubber Gasket** that rests against the door surface, and a thin metal **Oval Mounting Plate** that fits on top of the **Oval Rubber Gasket**. Note that the **Oval Mounting Plate** is symmetrical, and therefore has no "top" or "bottom".

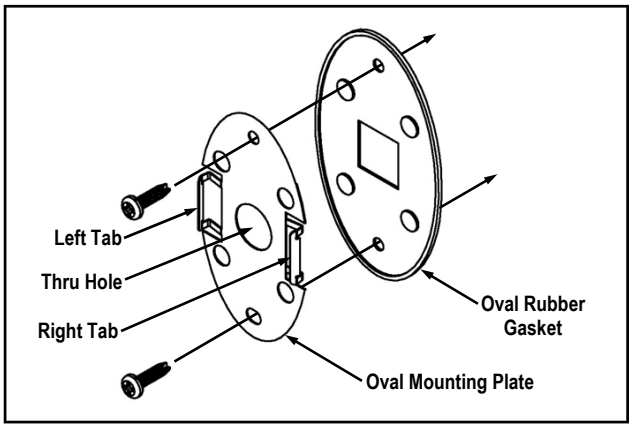


FIG. 13: "OVAL MOUNTING PLATE" (WITH LEFT AND RIGHT "TABS") AND THE "OVAL RUBBER GASKET"

O1. See Fig. 13. Place the **Oval Rubber Gasket** against the door surface, over the 5/8" diameter thru hole that was drilled into the door in step 4, then place the **Oval Mounting Plate** on top of the **Oval Rubber Gasket**, and secure (*snug-tight only, do not over-tighten*) using the two Phillips Pan Head screws appropriate for the door type as follows:

- **For Metal Doors:** #6-32 x 1/2" long Type F thread cutting Phillips head (part #SC212);

- **For Wood Doors:** #6 x 1/2" long Type A Phillips head (part #SC265)

Again, do **NOT** over-tighten these screws; over-tightening will cause undesired deformation of the **Rubber Gasket**.

O2. Starting from the outside ("unprotected" side) of the door, insert the **Oval Proximity Reader** wires into the 5/8" diameter thru hole (drilled into the door in step 4), and push the wires through the hole, from the outside, to the inside ("protected" side) of the door. This thru hole in the door is in the middle of the **Oval Mounting Plate**, as shown in Fig. 13.

Note: The **Oval Proximity Reader** plug sleeve color is *orange*.

O3. *Be careful not to pinch any wires.* The **Oval Proximity Reader** cover "snaps" into place, as follows:

a. Hook the **Oval Proximity Reader** on the **Right Tab** of the **Oval Mounting Plate** (see Fig 13).
b. Press firmly on the left side of the **Oval Proximity Reader** until it "snaps" into place.

RECTANGULAR PROXIMITY READER INSTALLATION

The **Rectangular Proximity Reader** is mounted with an **Rectangular Rubber Gasket** that rests against the door surface, and a thin metal **Rectangular Mounting Plate** that fits on top of the **Rectangular Rubber Gasket**. **IMPORTANT:** The **Rectangular Mounting Plate** IS NOT symmetrical, and therefore does have a "top" and a "bottom". Review the appearance of the two **Top Tabs** and two **Bottom Tabs** shown in Fig. 14:

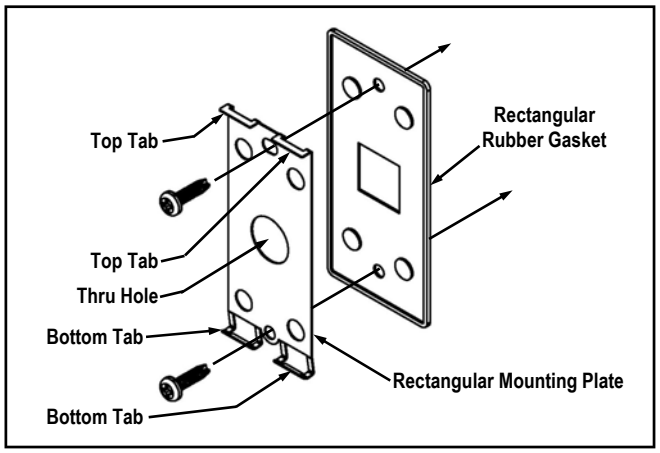


FIG. 14: "RECTANGULAR PROXIMITY READER MOUNTING COMPONENTS

R1. See Fig. 14. Place the **Rectangular Rubber Gasket** over the 5/8" diameter thru hole that was drilled into the door in step 4, then place the **Rectangular Mounting Plate** on top of the **Rectangular Rubber Gasket**, and secure (*snug-tight only, do not over-tighten*) using the two Phillips Pan Head screws appropriate for the door type as follows:

- **For Metal Doors:** #6-32 x 1/2" long Type F thread cutting Phillips head (part #SC212);

- **For Wood Doors:** #6 x 1/2" long Type A Phillips head (part #SC265)

Again, do **NOT** over-tighten these screws; over-tightening will cause undesired deformation of the **Rubber Gasket**.

R2. Starting from the outside ("unprotected" side) of the door, insert the **Rectangular Proximity Reader** wires into the 5/8" diameter thru hole (drilled into the door in step 4), and push the wires through the hole, from the outside, to the inside ("protected" side) of the door. This thru hole in the door is in the middle of the **Rectangular Mounting Plate**, as shown in Fig. 14.
Note: The **Rectangular Proximity Reader** plug sleeve color is *orange*.

R3. *Be careful not to pinch any wires*. The **Rectangular Proximity Reader** cover "snaps" into place, as follows:

a. Hook the **Rectangular Proximity Reader** on the two **Top Tabs** on the top of the **Rectangular Mounting Plate** (see Fig 14).
b. Press firmly on the bottom of the **Rectangular Proximity Reader** until it "snaps" into place.

SURFACE-MOUNTED CONTROL UNIT

CONTROL UNIT MOUNTING PLATE

Locate the two pilot holes for the **Control Unit Mounting Plate** mounting screws (NOT thru holes) that were drilled into the inside ("protected") door surface in step 6 on page 2.

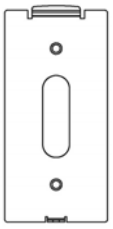
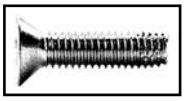


FIG. 15: CONTROL UNIT MOUNTING PLATE

Place the **Control Unit Mounting Plate** against the inside ("protected") door surface and secure using the two Phillips Flat Head screws appropriate for the door type as follows:

- **For Metal Doors:** #6-32 x 5/8" long Type 23 thread cutting Phillips Flat head, U-cut (part #SC682);



- **For Wood Doors:** #6 x 3/4" long undercut self-tapping Type A (part #SC596)

PLUG CONNECTIONS

The rear of the **Surface-Mounted Networx Control Unit** has five (5) sockets, *but only three (3) are used*. As per the accompanying ***Orange*** and ***Yellow*** colored dots (see Fig. 16), simply match the colors of the plug wire sleeves to the colors of the corresponding sockets. **Note:** The **Door Contact Sensor** has blue colored shrink tubing installed near the sensor; near the plug, the wires are white (insert the **Door Contact Sensor** plug into the white **J4** socket).

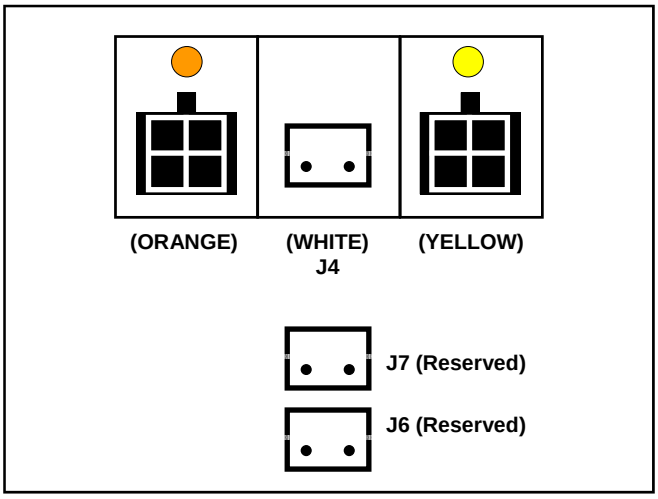


FIG. 16: CONTROL UNIT CONNECTIONS:
ORANGE > **Proximity Reader** plug
WHITE > **Door Contact Sensor** plug
YELLOW > **Cylindrical Lock** motor plug

MOUNT THE CONTROL UNIT

Before mounting, we recommend feeding all of the previously connected wires back into the door. Carefully hook the top of the **Surface-Mounted Networx Control Unit** into the top of the **Control Unit Mounting Plate** and press the bottom until flush with the door surface. At the bottom of the **Surface-Mounted Networx Control Unit**, insert the #6-32 Allen Head countersunk U-cut Dog Point screw (part #SC681 as shown in Fig. 17). We recommend to first thread this screw by hand (use the knurled head to grip) and then tighten with the supplied Allen key.

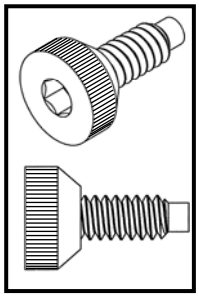


FIG. 17: "DOG POINT" SCREW

DOOR CONTACT MAGNET INSTALLATION (JAMB)

The **Door Contact Magnet** must be installed in the door jamb such that when the door is closed, the **Door Contact Sensor** is located *directly opposite* the **Magnet**. Install the **Magnet** in the door jamb as follows:

A. Open the door and temporarily place a piece of tape across the center of the **Door Contact Sensor**, to indicate its "vertical" location (distance from the floor). Using the tape for guidance, close the door and place a pencil mark on the inside door jamb directly opposite the center of the **Door Contact Sensor**.

B. Determine the "horizontal" location on the jamb that is directly opposite the **Door Contact Sensor** when the door is closed. Open the door and measure the distance from the door edge to the center of the **Door Contact Sensor** (0.875" or ⅞"). Transfer this distance to the door jamb, measured from the door stop.

C. For one of the two **Door Contact** (magnet) types provided with your lock, note its dimensions in Fig. 18. Drill into the door jamb as follows:

For Hardwood Jambs:

- **For the thinner contact (above right image):** Drill a 3/8" hole 7/8" deep into the jamb.
- **For the thicker contact (above left image):** Drill a 3/4" hole 7/8" deep into the jamb.

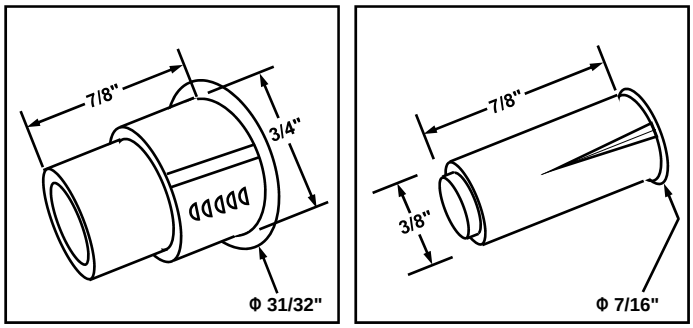


FIG. 18: DOOR CONTACT MAGNET (3/4" or 3/8" DIAMETER)

For Hollow Metal Jambs:

- Use either a 3/8" or 3/4" bit (depending on type) to drill a hole into the surface of the jamb.

D. Insert the magnetic **Door Contact Magnet** in the hole; the contact sits flush with the jamb when fully inserted. Ensure a secure fit by using adhesive appropriate for the material.

NOTES

ArchiTech Networx Limited Warranty

NAPCO Security Technologies, Inc. (NAPCO) warrants its products to be free from manufacturing defects in materials and workmanship for twenty four months following the date of manufacture. NAPCO will, within said period, at its option, repair or replace any product failing to operate correctly without charge to the original purchaser or user.

This warranty shall not apply to any equipment, or any part thereof, which has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to acts of God, or on which any serial numbers have been altered, defaced or removed. Seller will not be responsible for any dismantling or reinstallation charges, environmental wear and tear, normal maintenance expenses, or shipping and freight expenses required to return products to NAPCO. Additionally, this warranty shall not cover scratches, abrasions or deterioration due to the use of paints, solvents or other chemicals.

THERE ARE NO WARRANTIES, EXPRESS OR IMPLIED, WHICH EXTEND BEYOND THE DESCRIPTION ON THE FACE HEREOF. THERE IS NO EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. ADDITIONALLY, THIS WARRANTY IS IN LIEU OF ALL OTHER OBLIGATIONS OR LIABILITIES ON THE PART OF NAPCO.

Any action for breach of warranty, including but not limited to any implied warranty of merchantability, must be brought within the six months following the end of the warranty period.

IN NO CASE SHALL NAPCO BE LIABLE TO ANYONE FOR ANY CONSEQUENTIAL OR INCIDENTAL DAMAGES FOR BREACH OF THIS OR ANY OTHER WARRANTY, EXPRESS OR IMPLIED, EVEN IF THE LOSS OR DAMAGE IS CAUSED BY THE SELLER'S OWN NEGLIGENCE OR FAULT.

In case of defect, contact the security professional who installed and maintains your security system. In order to exercise the warranty, the product must be returned by the security professional, shipping costs prepaid and insured to NAPCO. After repair or replacement, NAPCO assumes the cost of returning products under warranty. NAPCO shall have no obligation under this warranty, or otherwise, if the product has been repaired by others, improperly installed, improperly used, abused, altered, damaged, subjected to accident, nuisance, flood, fire or acts of God, or on which any serial numbers have been altered, defaced or removed. NAPCO will not be responsible for any dismantling, reassembly or reinstallation charges, environmental wear and tear, normal maintenance expenses, or shipping and freight expenses required to return products to NAPCO. Additionally, this warranty shall not cover scratches, abrasions or deterioration due to the use of paints, solvents or other chemicals.

This warranty contains the entire warranty. It is the sole warranty and any prior agreements or representations, whether oral or written, are either merged herein or are expressly cancelled. NAPCO neither assumes, nor authorizes any other person purporting to act on its behalf to modify, to change, or to assume for it, any other warranty or liability concerning its products.

In no event shall NAPCO be liable for an amount in excess of NAPCO's original selling price of the product, for any loss or damage, whether direct, indirect, incidental, consequential, or otherwise arising out of any failure of the product. Seller's warranty, as hereinabove set forth, shall not be enlarged, diminished or affected by and no obligation or liability shall arise or grow out of Seller's rendering of technical advice or service in connection with Buyer's order of the goods furnished hereunder.

NAPCO RECOMMENDS THAT THE ENTIRE SYSTEM BE COMPLETELY TESTED WEEKLY.

Warning: Despite frequent testing, and due to, but not limited to, any or all of the following; criminal tampering, electrical or communications disruption, it is possible for the system to fail to perform as expected. NAPCO does not represent that the product/system may not be compromised or circumvented; or that the product or system will prevent any personal injury or property loss by burglary, robbery, fire or otherwise; nor that the product or system will in all cases provide adequate warning or protection. A properly installed and maintained alarm may only reduce risk of burglary, robbery, fire or otherwise but it is not insurance or a guarantee that these events will not occur. CONSEQUENTLY, SELLER SHALL HAVE NO LIABILITY FOR ANY PERSONAL INJURY, PROPERTY DAMAGE, OR OTHER LOSS BASED ON A CLAIM THE PRODUCT FAILED TO GIVE WARNING. Therefore, the installer should in turn advise the consumer to take any and all precautions for his or her safety including, but not limited to, fleeing the premises and calling police or fire department, in order to mitigate the possibilities of harm and/or damage.

NAPCO is not an insurer of either the property or safety of the user's family or employees, and limits its liability for any loss or damage including incidental or consequential damages to NAPCO's original selling price of the product regardless of the cause of such loss or damage.

Some states do not allow limitations on how long an implied warranty lasts or do not allow the exclusion or limitation of incidental or consequential damages, or differentiate in their treatment of limitations of liability for ordinary or gross negligence, so the above limitations or exclusions may not apply to you. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state.